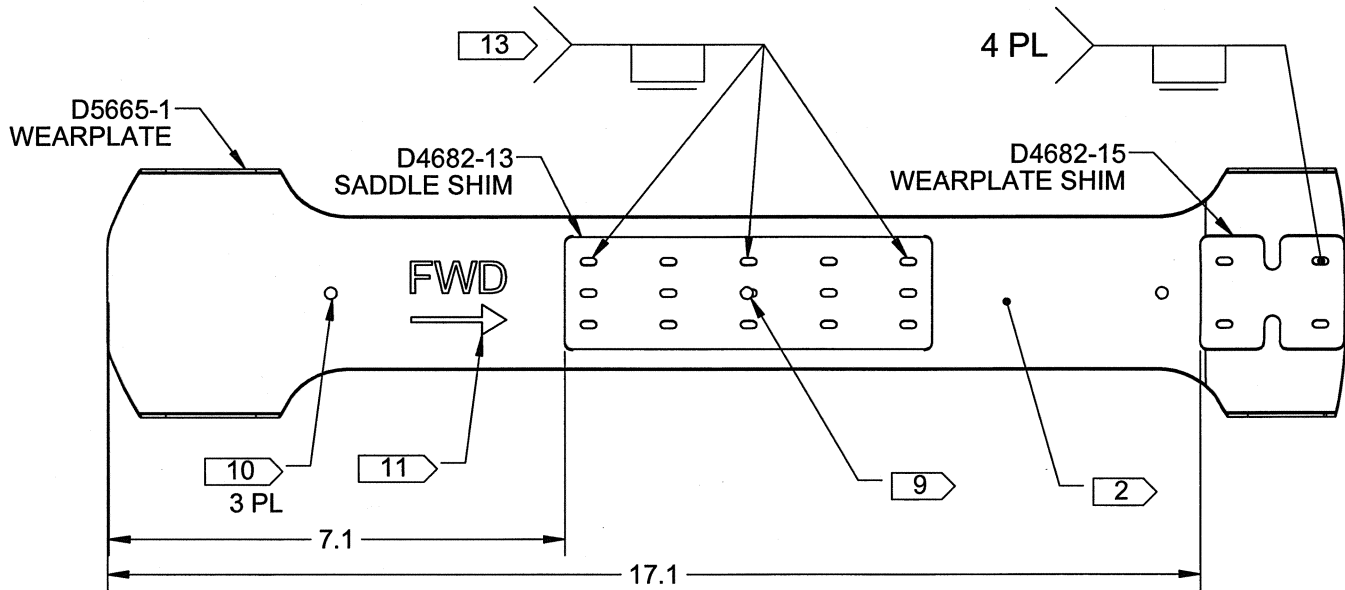
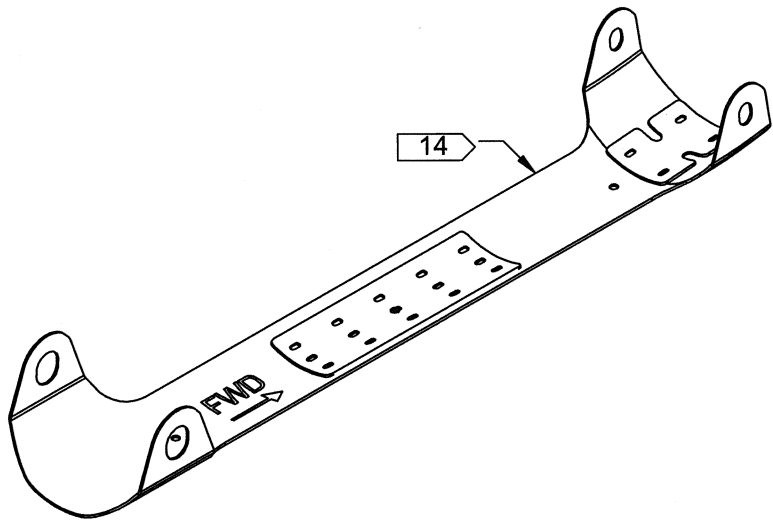
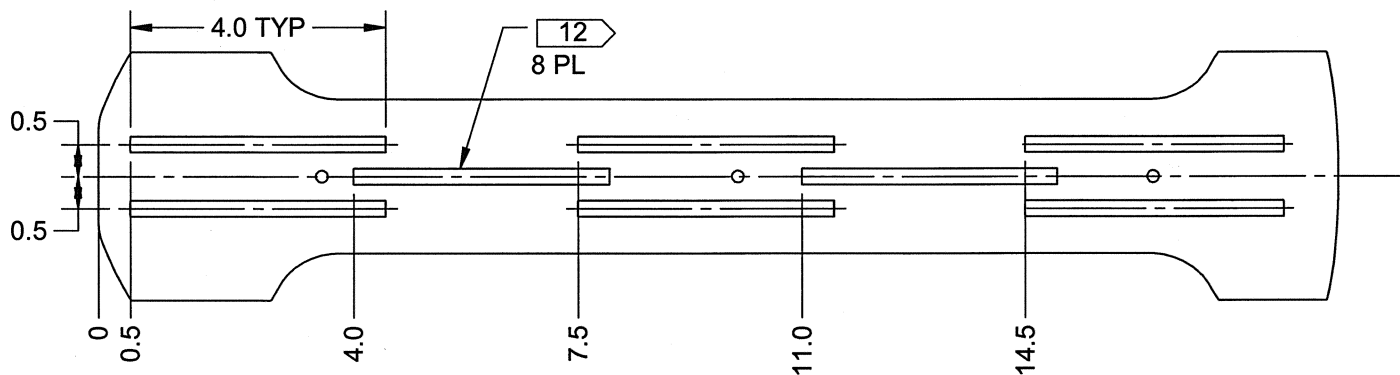


QTY -041	P/N	DESCRIPTION
X	D5665-041	WEARPLATE ASSY
1	D4682-13	SADDLE SHIM
1	D4682-15	WEARPLATE SHIM
1	D5665-1	WEARPLATE
A/R	8259/2059B	HARDCOAT WELD



D5665-041 WEARPLATE ASSY



D5665-041 WEARPLATE ASSY
(WELD BEAD DETAIL)

- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: COAT ENTIRE TOP (CONCAVE) SURFACE WITH TEXTURED COATING, 0.020-0.040 THICK PER QSI 005 SECTION 4.9
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 1.37 lbs
 - 8) WELDING: PER QSI 004
 - 9) TRANSFER DRILL $\phi 0.188$ DRAIN HOLE FROM WEARPLATE THRU SHIM
 - 10) OPEN UP DRAIN HOLES IF NECESSARY TO $\phi 0.188$ AFTER APPLYING TEXTURED COATING
 - 11) INDICATE FWD DIRECTION IN LOCATION SHOWN USING WHITE PAINT MARKER AFTER FINISH
 - 12) APPLY HARD SURFACING WELD BEAD 0.06 - 0.13 THICK USING 8259 ROD PER QSI 004 SECTION 4.5 (AUTOMATED WELDING) OR APPLY HARD SURFACING WELD BEAD 0.06 - 0.13 THICK USING 2059B ROD PER QSI 004 SECTION 4.1 (MANUAL WELDING)
 - 13) MINIMUM 7 WELDS DISTRIBUTED ACROSS SHIM AND MINIMUM 1 WELD PER INDICATED COLUMN
 - 14) WEARPLATE FORM AND LUG POSITION PER DT10528 OR DT10529

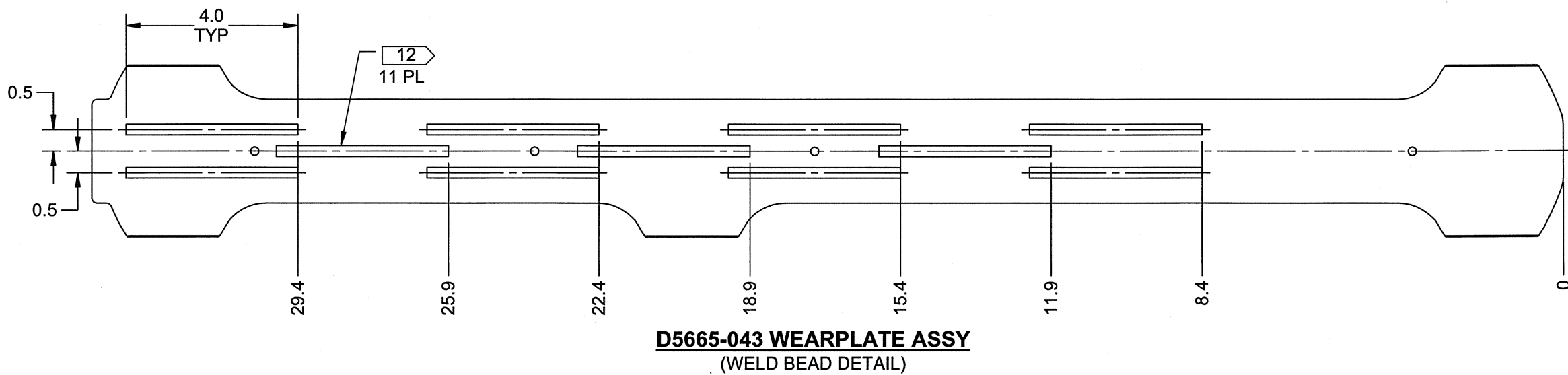
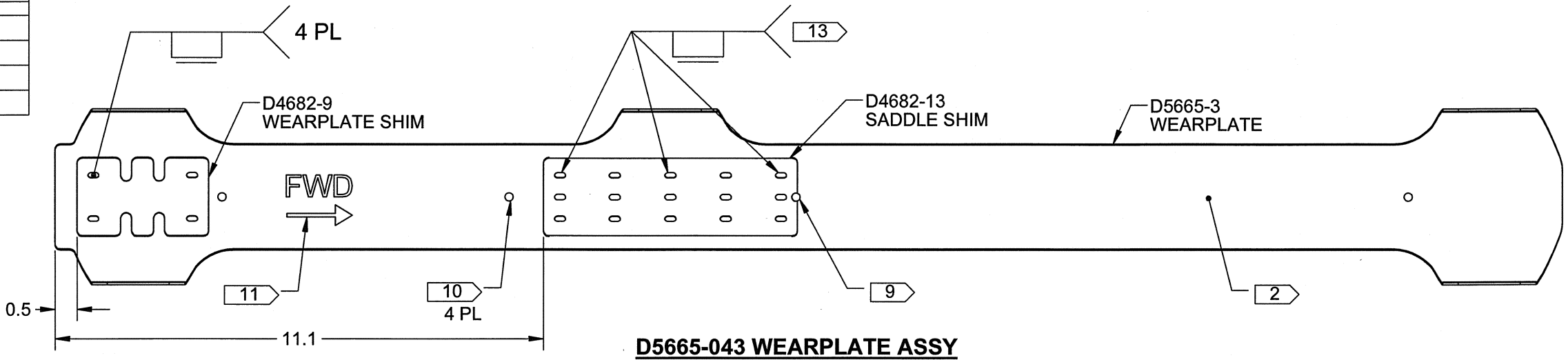
RELEASED

2019 SEP 10
ECN 19-890

APPROVED

A	NEW ISSUE	ZF	18.11.27
REV.	DESCRIPTION	BY	DATE
DESIGN	ZF	DART AEROSPACE USA, INC. HILLSBORO, OR	
DRAWN	ZF		
CHECKED	MW	DRAWING NO.	REV. A
MFG. APPR.	DD	D5665	SHEET 1 OF 9
APPROVED	NO	TITLE	SCALE
DE APPR.	DS-11	WEARPLATE ASSY	NTS
DATE	18.11.27	COPYRIGHT © 2018 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

QTY -043	P/N	DESCRIPTION
X	D5665-043	WEARPLATE ASSY
1	D4682-9	WEARPLATE SHIM
1	D4682-13	SADDLE SHIM
1	D5665-3	WEARPLATE
A/R	8259/2059B	HARDCOAT WELD



- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: COAT ENTIRE TOP (CONCAVE) SURFACE WITH TEXTURED COATING, 0.020-0.040 THICK PER QSI 005 SECTION 4.9
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 2.11 lbs
 - 8) WELDING: PER QSI 004
 - 9) TRANSFER DRILL $\varnothing 0.188$ DRAIN HOLE FROM WEARPLATE THRU SHIM
 - 10) OPEN UP DRAIN HOLES IF NECESSARY TO $\varnothing 0.188$ AFTER APPLYING TEXTURED COATING
 - 11) INDICATE FWD DIRECTION IN LOCATION SHOWN USING WHITE PAINT MARKER AFTER FINISH
 - 12) APPLY HARD SURFACING WELD BEAD 0.06 - 0.13 THICK USING 8259 ROD PER QSI 004 SECTION 4.5 (AUTOMATED WELDING) OR APPLY HARD SURFACING WELD BEAD 0.06 - 0.13 THICK USING 2059B ROD PER QSI 004 SECTION 4.1 (MANUAL WELDING)
 - 13) MINIMUM 7 WELDS DISTRIBUTED ACROSS SHIM AND MINIMUM 1 WELD PER INDICATED COLUMN
 - 14) WEARPLATE FORM AND LUG POSITION PER DT10528

RELEASED
2019 SEP 10

APPROVED

DESIGN	ZF	DART AEROSPACE USA, INC. HILLSBORO, OR	
DRAWN	ZF		
CHECKED	MW	DRAWING NO.	REV. A
MFG. APPR.	DD	D5665	SHEET 2 OF 9
APPROVED	NO	TITLE	SCALE
DE APPR.	DS	WEARPLATE ASSY	NTS
DATE	18.11.27	COPYRIGHT © 2018 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

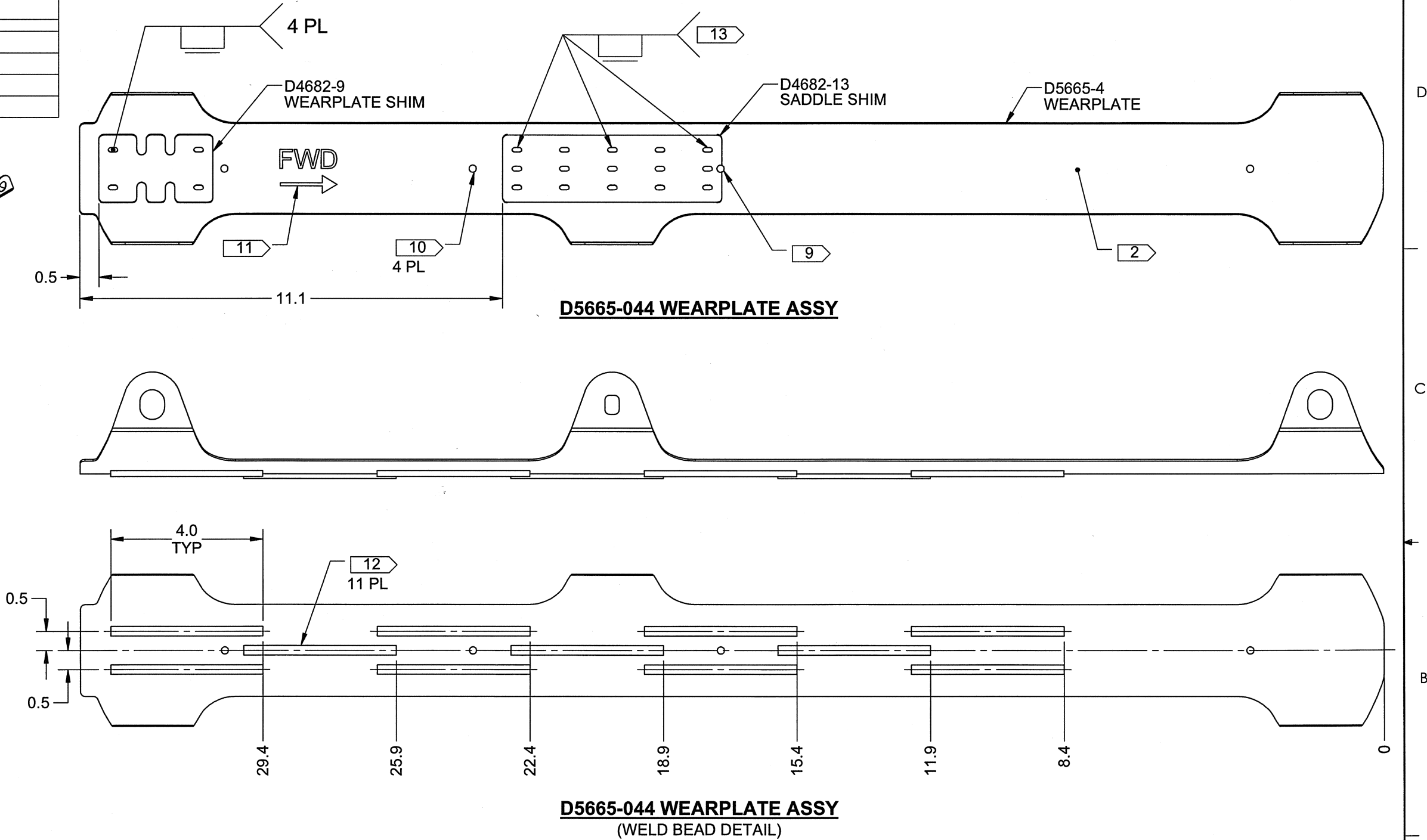
QTY -044	P/N	DESCRIPTION
X	D5665-044	WEARPLATE ASSY
1	D4682-9	WEARPLATE SHIM
1	D4682-13	SADDLE SHIM
1	D5665-4	WEARPLATE
A/R	8259/2059B	HARDCOAT WELD

D

C

B

A



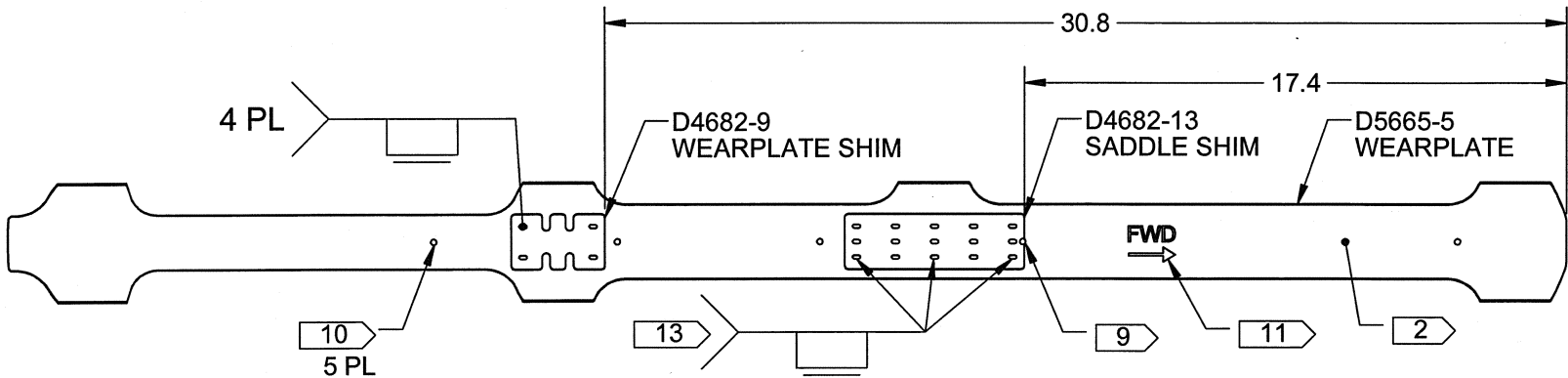
- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: COAT ENTIRE TOP (CONCAVE) SURFACE WITH TEXTURED COATING, 0.020-0.040 THICK PER QSI 005 SECTION 4.9
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 2.11 lbs
 - 8) WELDING: PER QSI 004
 - 9) TRANSFER DRILL $\varnothing 0.188$ DRAIN HOLE FROM WEARPLATE THRU SHIM
 - 10) OPEN UP DRAIN HOLES IF NECESSARY TO $\varnothing 0.188$ AFTER APPLYING TEXTURED COATING
 - 11) INDICATE FWD DIRECTION IN LOCATION SHOWN USING WHITE PAINT MARKER AFTER FINISH
 - 12) APPLY HARD SURFACING WELD BEAD 0.06 - 0.13 THICK USING 8259 ROD PER QSI 004 SECTION 4.5 (AUTOMATED WELDING) OR APPLY HARD SURFACING WELD BEAD 0.06 - 0.13 THICK USING 2059B ROD PER QSI 004 SECTION 4.1 (MANUAL WELDING)
 - 13) MINIMUM 7 WELDS DISTRIBUTED ACROSS SHIM AND MINIMUM 1 WELD PER INDICATED COLUMN
 - 14) WEARPLATE FORM AND LUG POSITION PER DT10528

RELEASED
2019 SEP 10 MD

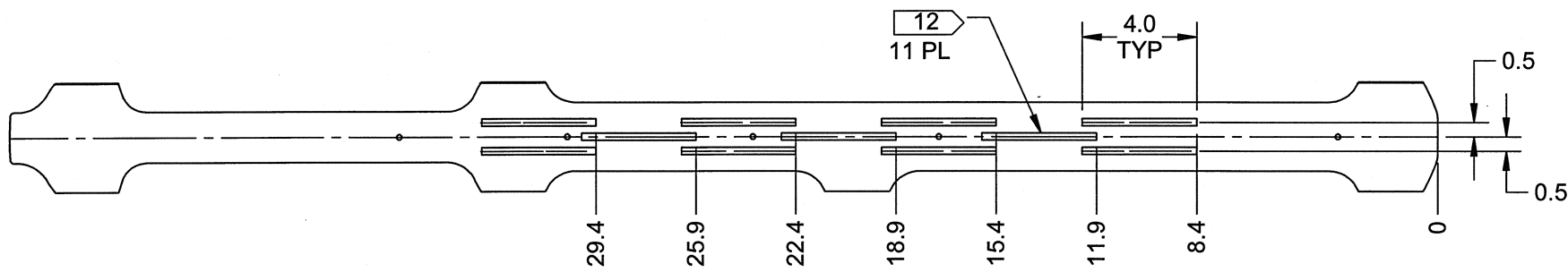
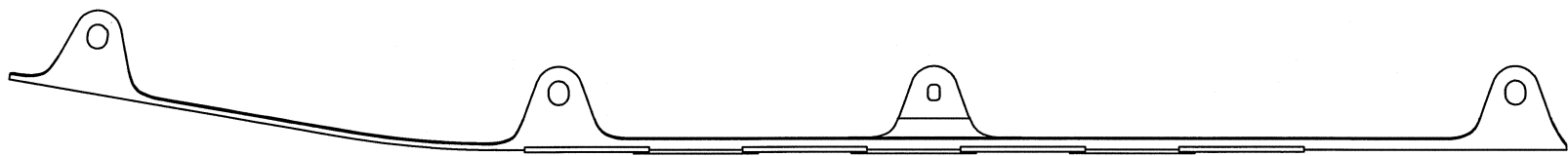
APPROVED

DESIGN	ZF	DART AEROSPACE USA, INC. HILLSBORO, OR	
DRAWN	ZF		
CHECKED	MW	DRAWING NO.	REV. A
MFG. APPR.	DD	D5665	SHEET 3 OF 9
APPROVED	NO	TITLE	SCALE
DE APPR.	DS	WEARPLATE ASSY	NTS
DATE	18.11.27	COPYRIGHT © 2018 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

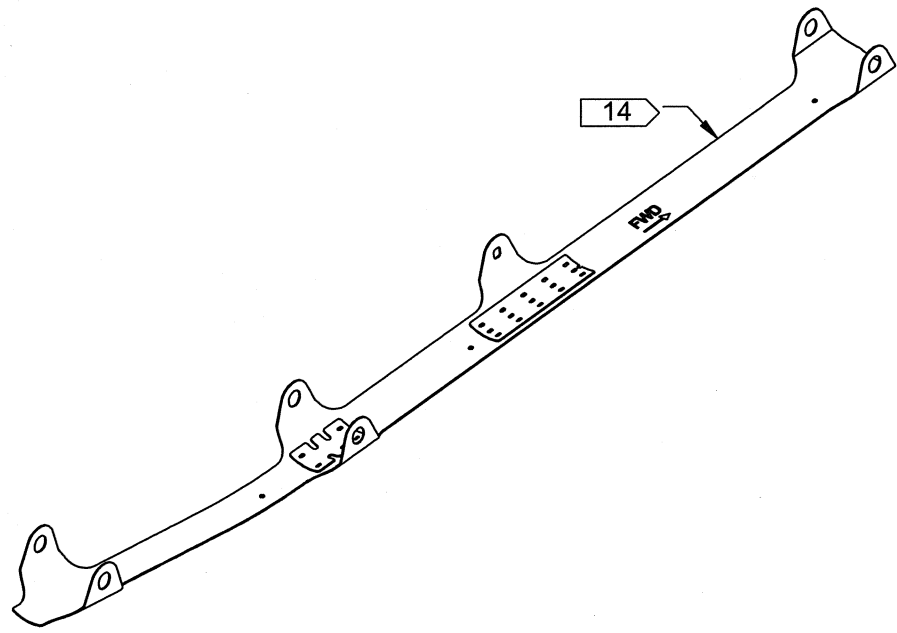
QTY -045	P/N	DESCRIPTION
X	D5665-045	WEARPLATE ASSY
1	D4682-9	WEARPLATE SHIM
1	D4682-13	SADDLE SHIM
1	D5665-5	WEARPLATE
A/R	8259/2059B	HARDCOAT WELD



D5665-045 WEARPLATE ASSY



D5665-045 WEARPLATE ASSY
(WELD BEAD DETAIL)



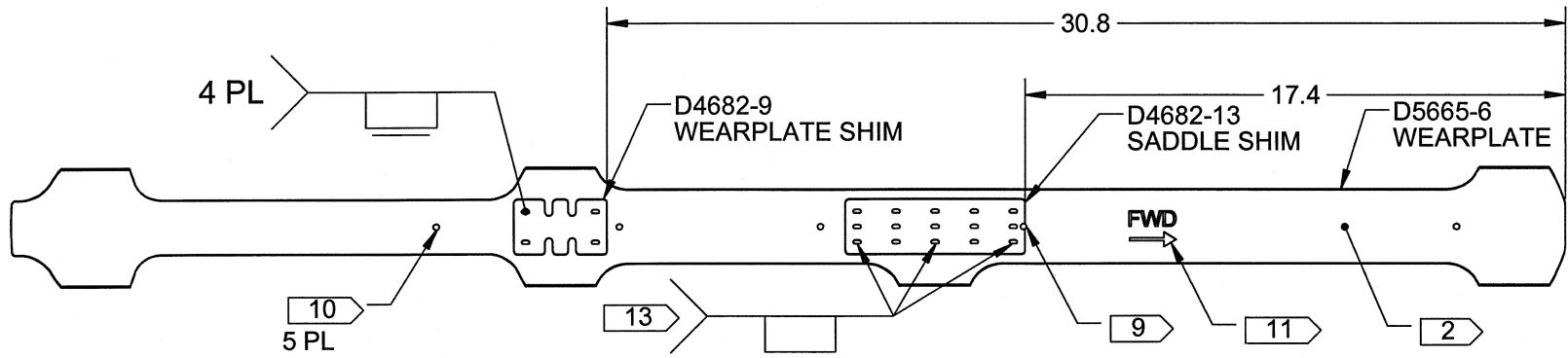
- NOTES:**
- 1) MATERIAL: N/A
 - 2) FINISH: COAT ENTIRE TOP (CONCAVE) SURFACE WITH TEXTURED COATING, 0.020-0.040 THICK PER QSI 005 SECTION 4.9
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 2.70 lbs
 - 8) WELDING: PER QSI 004
 - 9) TRANSFER DRILL $\phi 0.188$ DRAIN HOLE FROM WEARPLATE THRU SHIM
 - 10) OPEN UP DRAIN HOLES IF NECESSARY TO $\phi 0.188$ AFTER APPLYING TEXTURED COATING
 - 11) INDICATE FWD DIRECTION IN LOCATION SHOWN USING WHITE PAINT MARKER AFTER FINISH
 - 12) APPLY HARD SURFACING WELD BEAD 0.06 - 0.13 THICK USING 8259 ROD PER QSI 004 SECTION 4.5 (AUTOMATED WELDING) OR APPLY HARD SURFACING WELD BEAD 0.06 - 0.13 THICK USING 2059B ROD PER QSI 004 SECTION 4.1 (MANUAL WELDING)
 - 13) MINIMUM 7 WELDS DISTRIBUTED ACROSS SHIM AND MINIMUM 1 WELD PER INDICATED COLUMN
 - 14) WEARPLATE FORM AND LUG POSITION PER DT10529

RELEASED
2019 SEP 10 *WD*

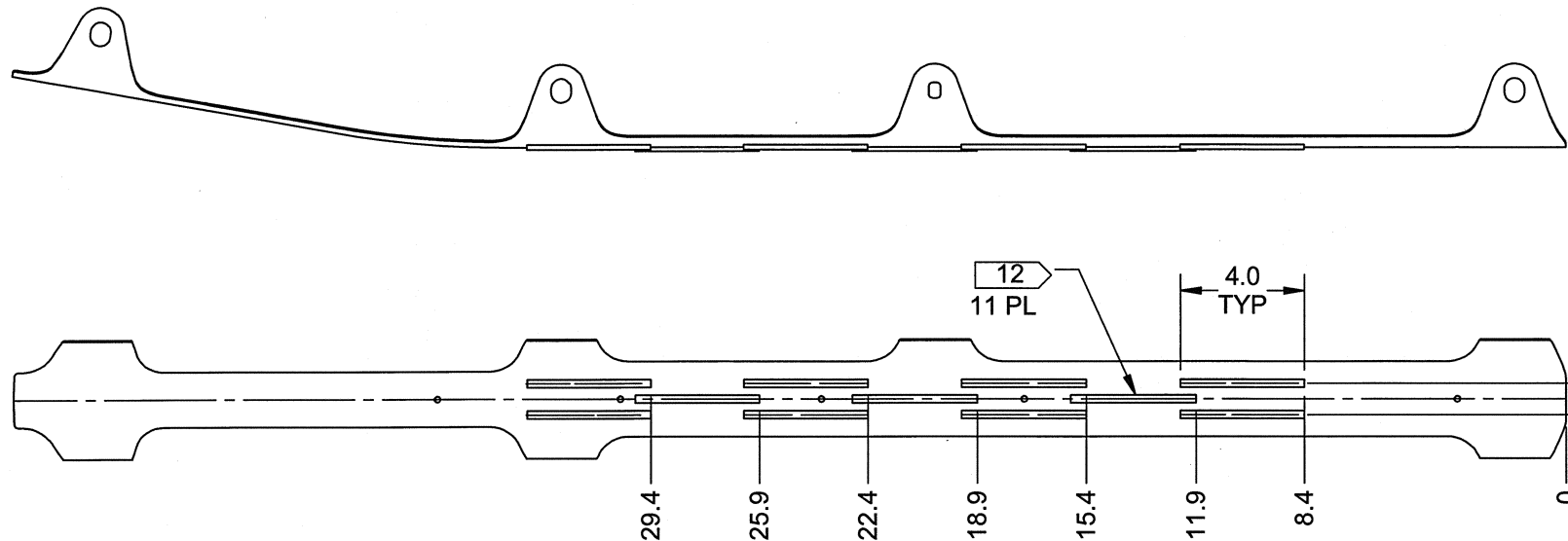
APPROVED

DESIGN	ZF	DART AEROSPACE USA, INC. HILLSBORO, OR	
DRAWN	ZF		
CHECKED	MW	DRAWING NO.	REV. A
MFG. APPR.	DD	D5665	SHEET 4 OF 9
APPROVED	NO	TITLE	SCALE
DE APPR.	DS	WEARPLATE ASSY	NTS
DATE	18.11.27	COPYRIGHT © 2018 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	

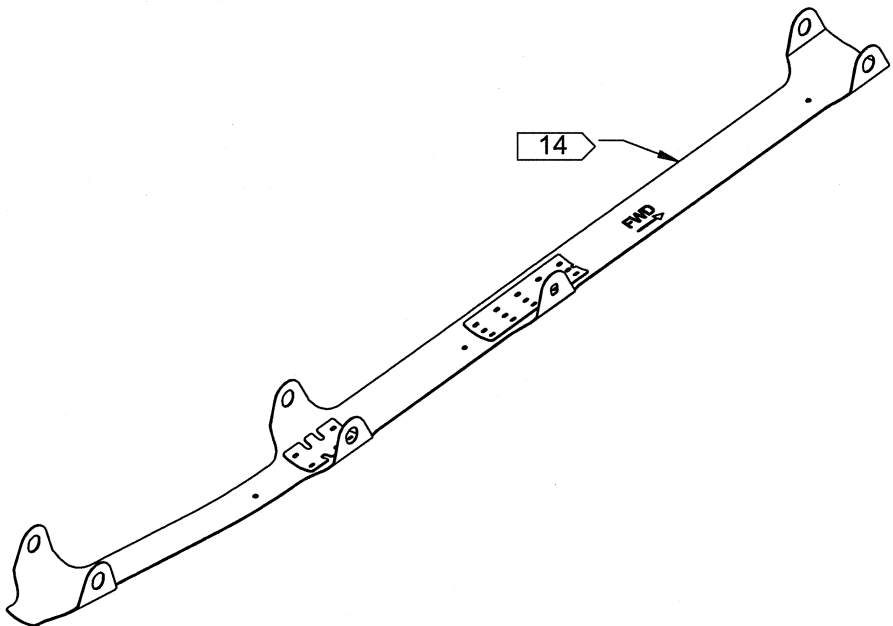
QTY -046	P/N	DESCRIPTION
X	D5665-046	WEARPLATE ASSY
1	D4682-9	WEARPLATE SHIM
1	D4682-13	SADDLE SHIM
1	D5665-6	WEARPLATE
A/R	8259/2059B	HARDCOAT WELD



D5665-046 WEARPLATE ASSY



D5665-046 WEARPLATE ASSY
(WELD BEAD DETAIL)

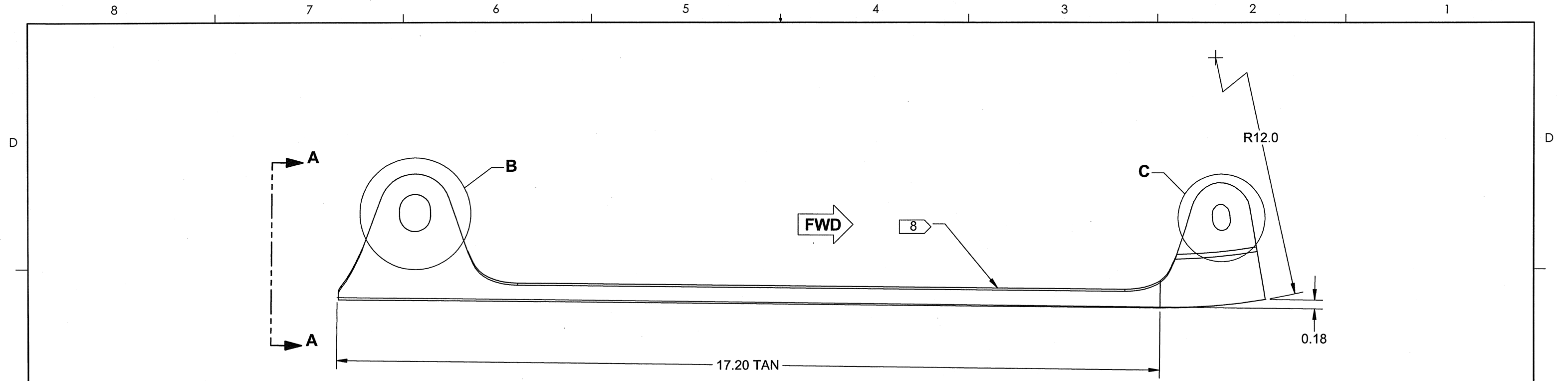


- NOTES:
- 1) MATERIAL: N/A
 - 2) FINISH: COAT ENTIRE TOP (CONCAVE) SURFACE WITH TEXTURED COATING, 0.020-0.040 THICK PER QSI 005 SECTION 4.9
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: N/A
 - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
 - 7) WEIGHT: 2.70 lbs
 - 8) WELDING: PER QSI 004
 - 9) TRANSFER DRILL $\varnothing 0.188$ DRAIN HOLE FROM WEARPLATE THRU SHIM
 - 10) OPEN UP DRAIN HOLES IF NECESSARY TO $\varnothing 0.188$ AFTER APPLYING TEXTURED COATING
 - 11) INDICATE FWD DIRECTION IN LOCATION SHOWN USING WHITE PAINT MARKER AFTER FINISH
 - 12) APPLY HARD SURFACING WELD BEAD 0.06 - 0.13 THICK USING 8259 ROD PER QSI 004 SECTION 4.5 (AUTOMATED WELDING) OR APPLY HARD SURFACING WELD BEAD 0.06 - 0.13 THICK USING 2059B ROD PER QSI 004 SECTION 4.1 (MANUAL WELDING)
 - 13) MINIMUM 7 WELDS DISTRIBUTED ACROSS SHIM AND MINIMUM 1 WELD PER INDICATED COLUMN
 - 14) WEARPLATE FORM AND LUG POSITION PER DT10529

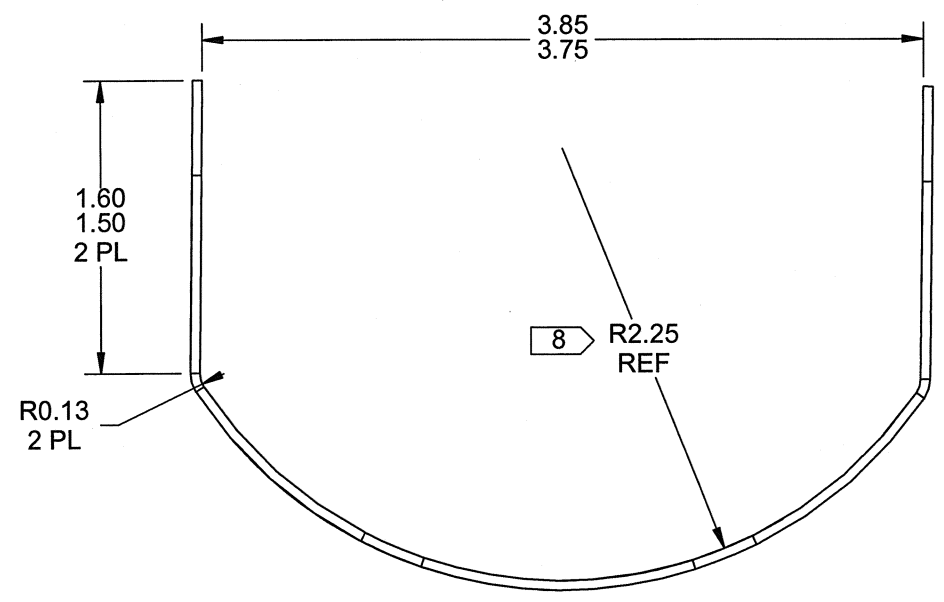
RELEASED
2019 SEP 10 NO

APPROVED

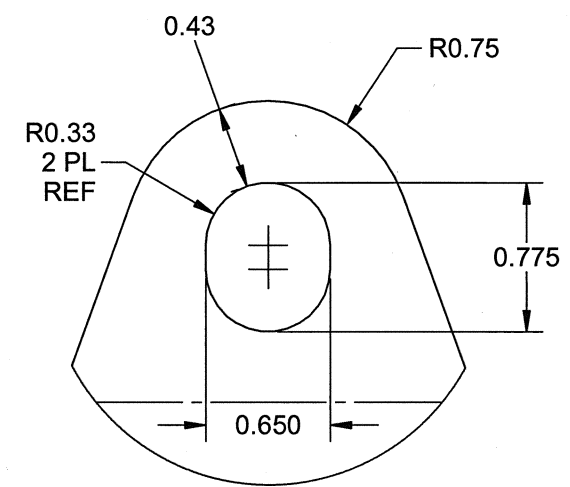
DESIGN	ZF	DART AEROSPACE USA, INC.	
DRAWN	ZF	HILLSBORO, OR	
CHECKED	MW	DRAWING NO.	REV. A
MFG. APPR.	DD	D5665	SHEET 5 OF 9
APPROVED	NO	TITLE	SCALE
DE APPR.	DS	WEARPLATE ASSY	NTS
DATE	18.11.27	COPYRIGHT © 2018 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	



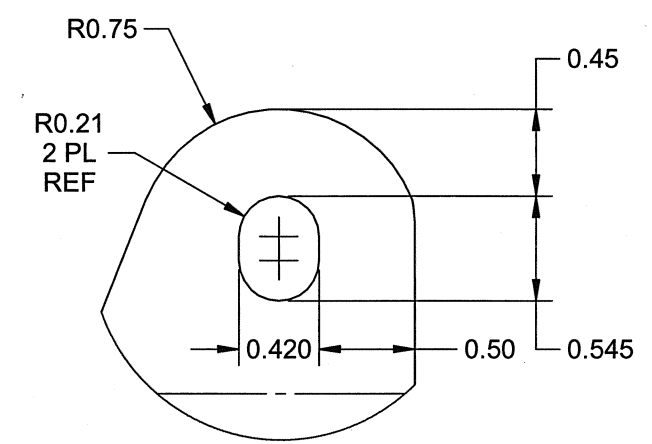
D5665-1 WEARPLATE



SECTION A-A
SCALE 2X



DETAIL B
SCALE 2X



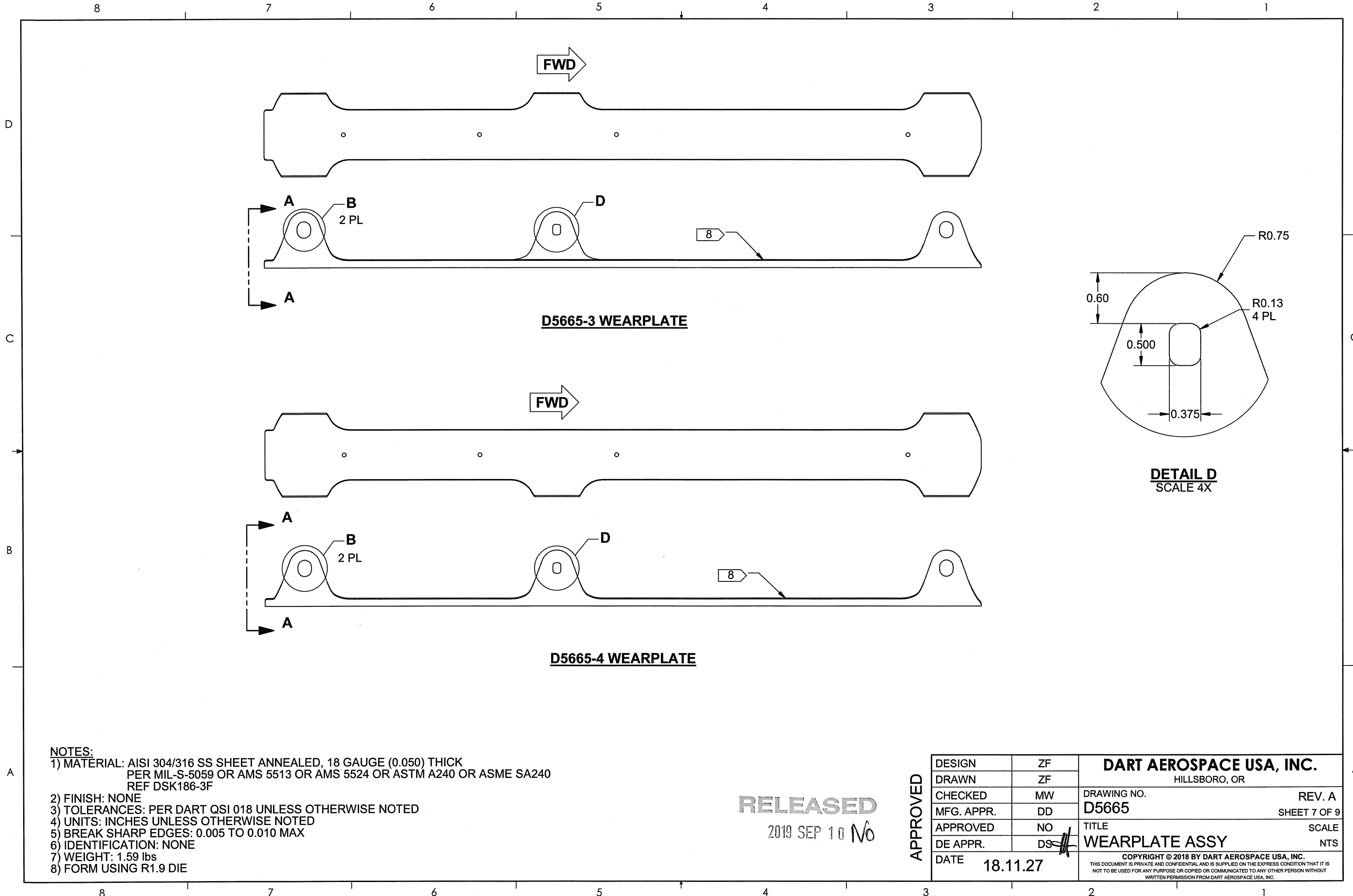
DETAIL C
SCALE 2X

- NOTES:**
- 1) MATERIAL: AISI 304/316 SS SHEET ANNEALED, 18 GAUGE (0.050) THICK
PER MIL-S-5059 OR AMS 5513 OR AMS 5524 OR ASTM A240 OR ASME SA240
REF DSK186-1F
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: 0.94 lbs
 - 8) FORM USING R1.9 DIE

RELEASED
2019 SEP 10 No

APPROVED

DESIGN	ZF	DART AEROSPACE USA, INC.	
DRAWN	ZF	HILLSBORO, OR	
CHECKED	MW	DRAWING NO.	REV. A
MFG. APPR.	DD	D5665	SHEET 6 OF 9
APPROVED	NO	TITLE	SCALE
DE APPR.	DS	WEARPLATE ASSY	NTS
DATE	18.11.27	COPYRIGHT © 2018 BY DART AEROSPACE USA, INC.	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.			

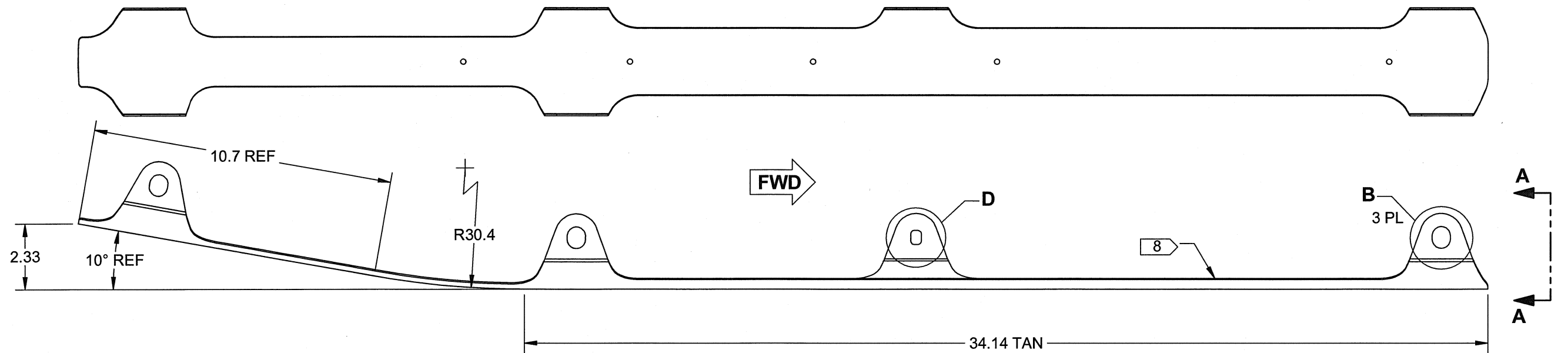


- NOTES:
- 1) MATERIAL: AISI 304/316 SS SHEET ANNEALED, 18 GAUGE (0.050) THICK
PER MIL-S-5059 OR AMS 5513 OR AMS 5524 OR ASTM A240 OR ASME SA240
REF DSK186-3F
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: NONE
 - 7) WEIGHT: 1.59 lbs
 - 8) FORM USING R1.9 DIE

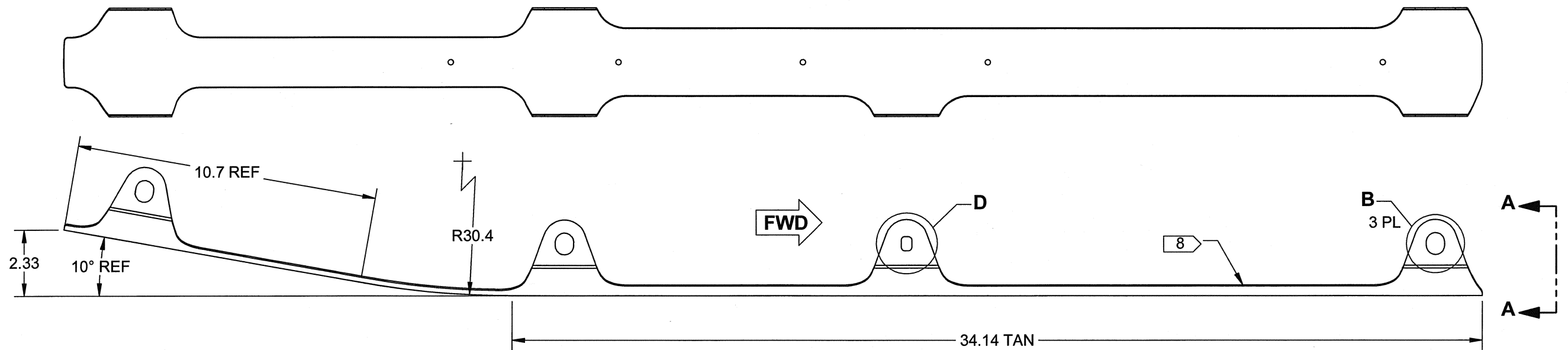
RELEASED
2019 SEP 10 No

APPROVED

DESIGN	ZF	DART AEROSPACE USA, INC. HILLSBORO, OR	
DRAWN	ZF		
CHECKED	MW	DRAWING NO.	REV. A
MFG. APPR.	DD	D5665	SHEET 7 OF 9
APPROVED	NO	TITLE	SCALE
DE APPR.	DS	WEARPLATE ASSY	NTS
DATE	18.11.27	COPYRIGHT © 2018 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	



D5665-5 WEARPLATE



D5665-6 WEARPLATE

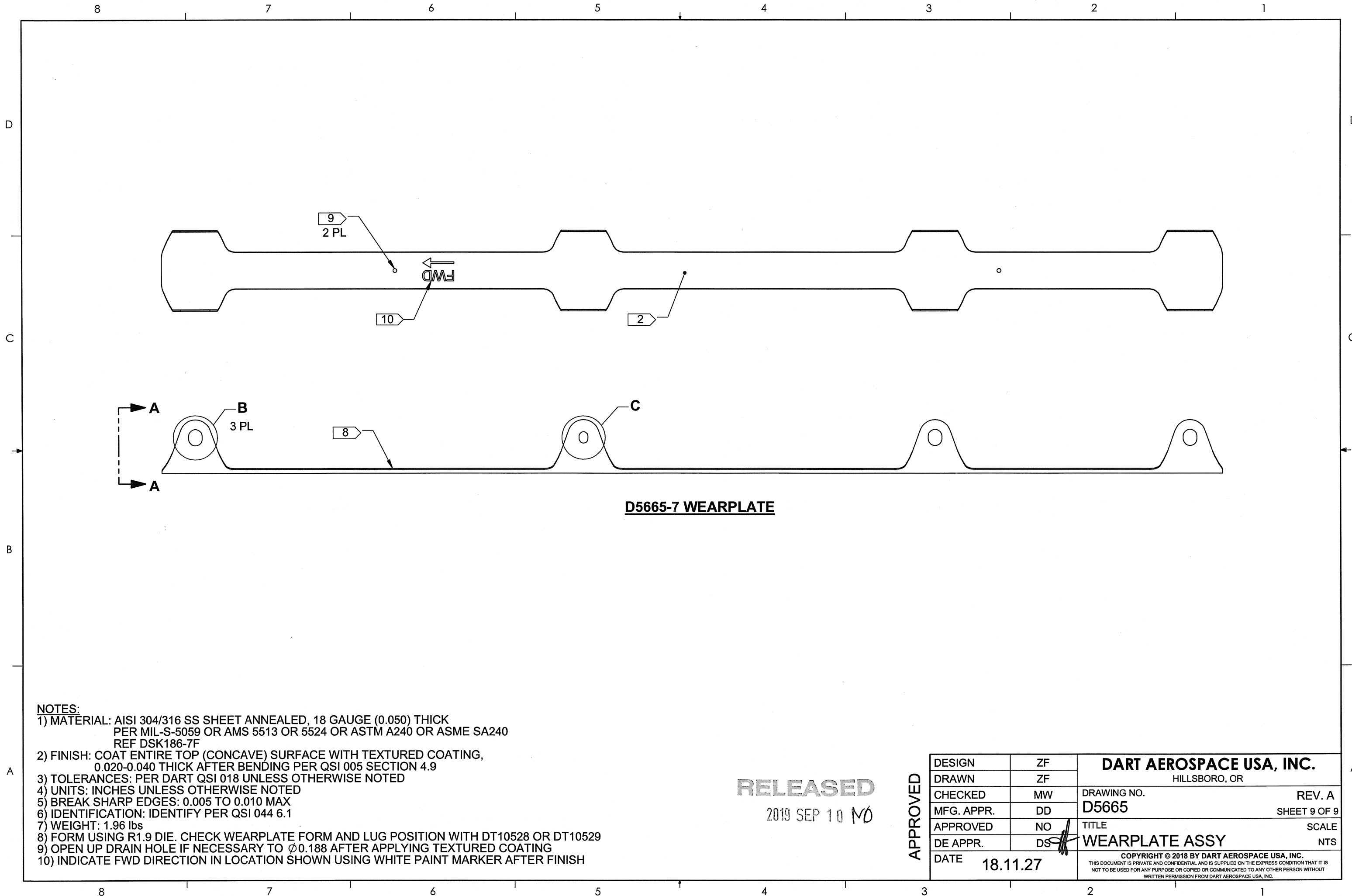
NOTES:

- 1) MATERIAL: AISI 304/316 SS SHEET ANNEALED, 18 GAUGE (0.050) THICK
PER MIL-S-5059 OR AMS 5513 OR AMS 5524 OR ASTM A240 OR ASME SA240
REF DSK186-5F
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 2.18 lbs
- 8) FORM USING R1.9 DIE

RELEASED
2019 SEP 10

APPROVED

DESIGN	ZF	DART AEROSPACE USA, INC. HILLSBORO, OR	
DRAWN	ZF		
CHECKED	MW	DRAWING NO. D5665	REV. A
MFG. APPR.	DD		SHEET 8 OF 9
APPROVED	NO	TITLE WEARPLATE ASSY	SCALE
DE APPR.	DS		NTS
DATE	18.11.27	<small>COPYRIGHT © 2018 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	



NOTES:

- 1) MATERIAL: AISI 304/316 SS SHEET ANNEALED, 18 GAUGE (0.050) THICK
PER MIL-S-5059 OR AMS 5513 OR 5524 OR ASTM A240 OR ASME SA240
REF DSK186-7F
- 2) FINISH: COAT ENTIRE TOP (CONCAVE) SURFACE WITH TEXTURED COATING,
0.020-0.040 THICK AFTER BENDING PER QSI 005 SECTION 4.9
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 1.96 lbs
- 8) FORM USING R1.9 DIE. CHECK WEARPLATE FORM AND LUG POSITION WITH DT10528 OR DT10529
- 9) OPEN UP DRAIN HOLE IF NECESSARY TO $\varnothing 0.188$ AFTER APPLYING TEXTURED COATING
- 10) INDICATE FWD DIRECTION IN LOCATION SHOWN USING WHITE PAINT MARKER AFTER FINISH

RELEASED

2019 SEP 10 MD

APPROVED

DESIGN	ZF	DART AEROSPACE USA, INC. HILLSBORO, OR	
DRAWN	ZF		
CHECKED	MW	DRAWING NO. D5665	REV. A
MFG. APPR.	DD	SHEET 9 OF 9	
APPROVED	NO	TITLE	SCALE
DE APPR.	DS	WEARPLATE ASSY	NTS
DATE	18.11.27	COPYRIGHT © 2018 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	